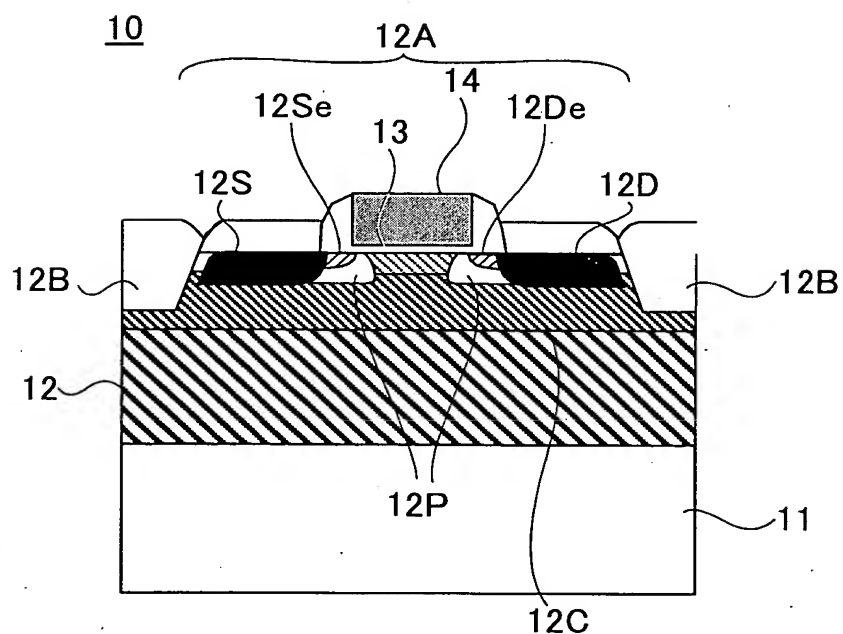


# FIG.1 PRIOR ART



# FIG.2 PRIOR ART

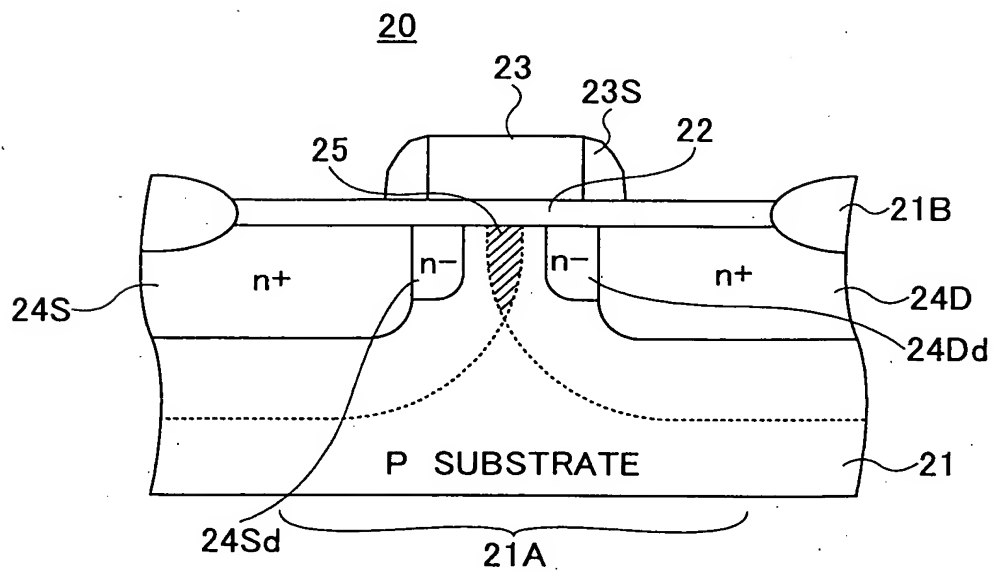


FIG.3 PRIOR ART

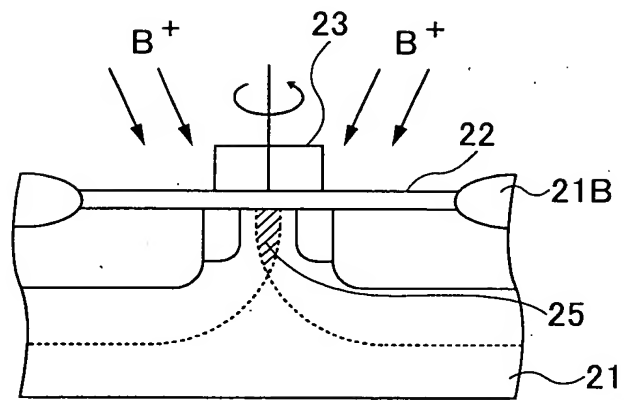


FIG.4 PRIOR ART

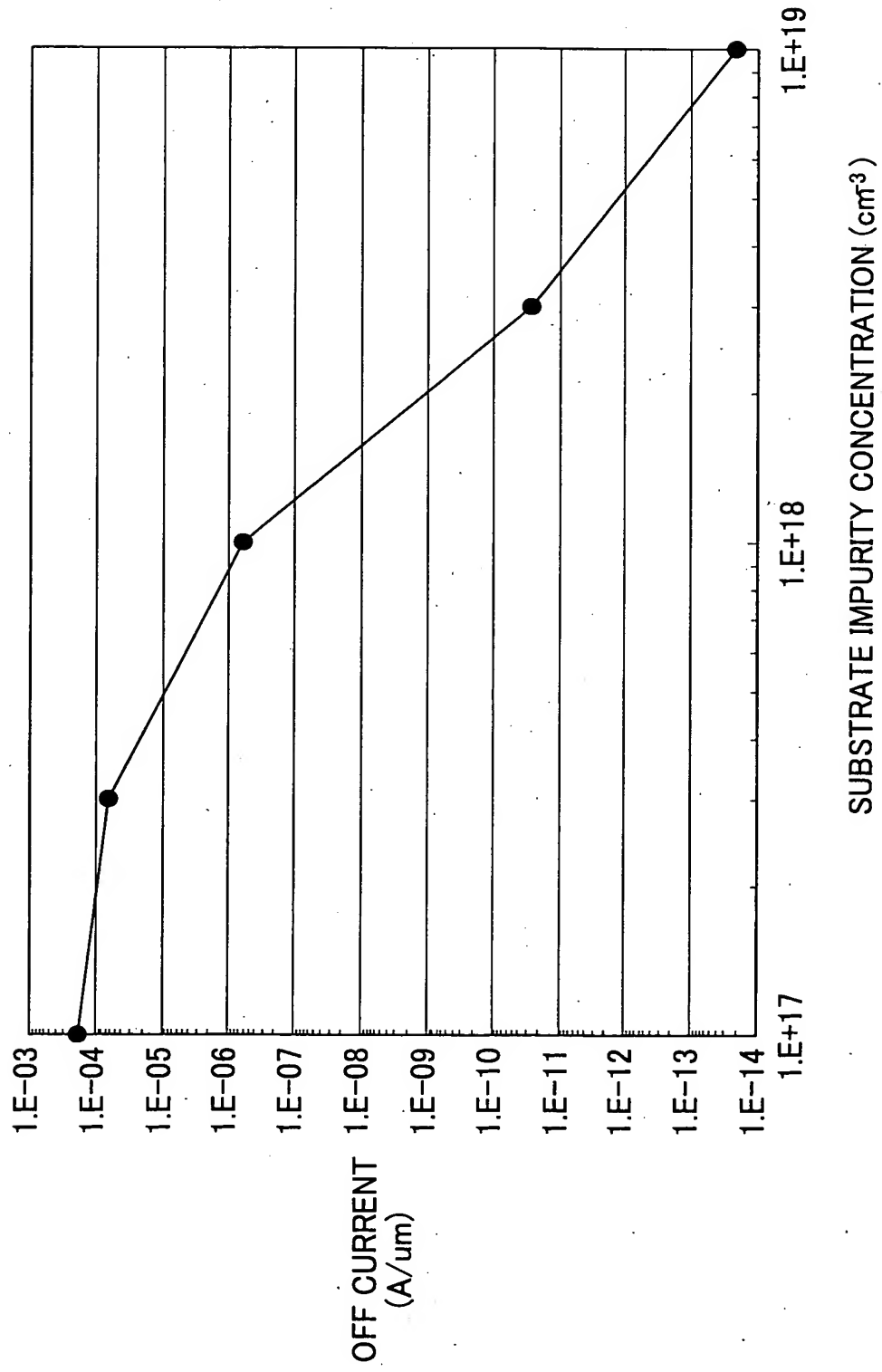


FIG.5 PRIOR ART

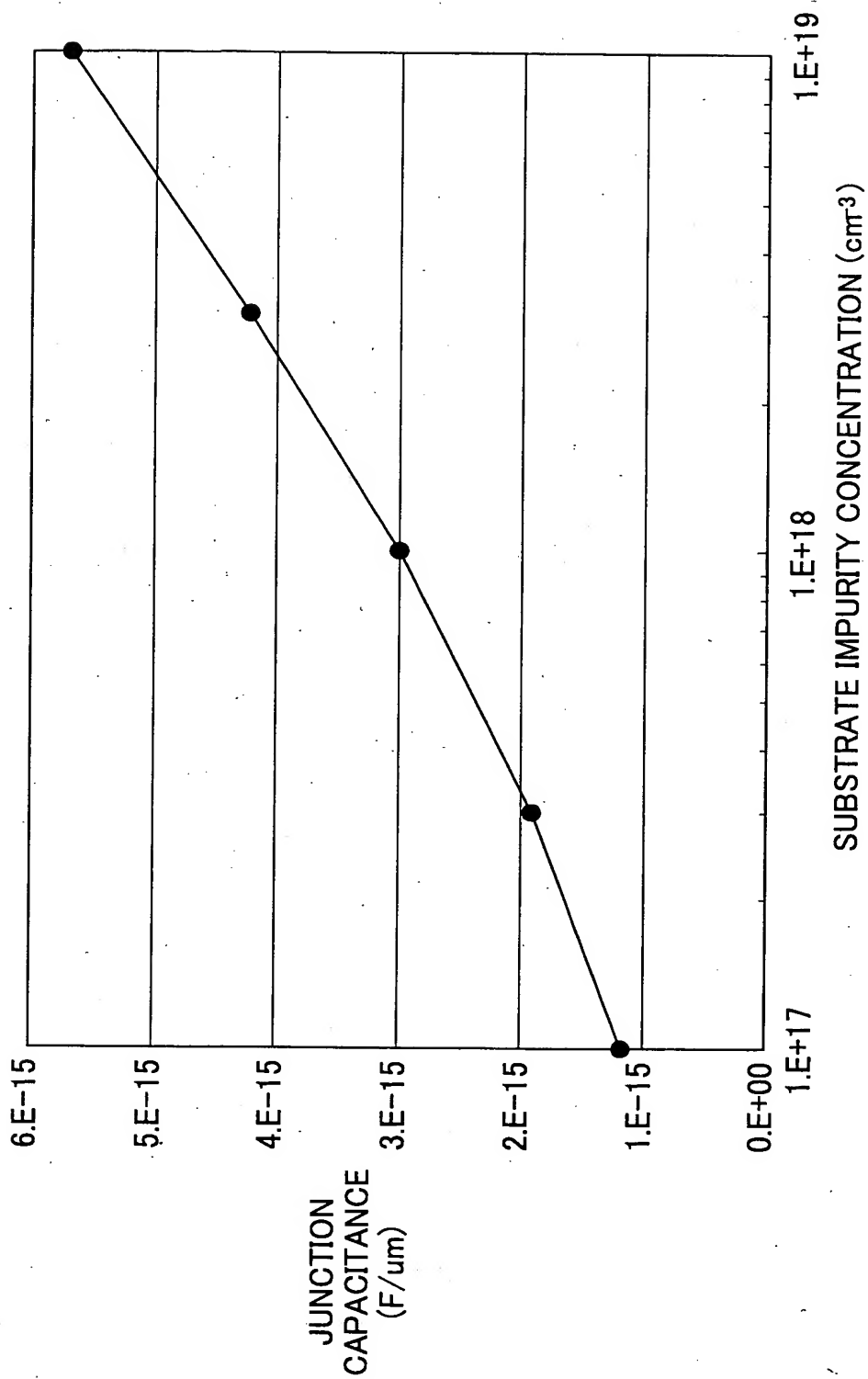
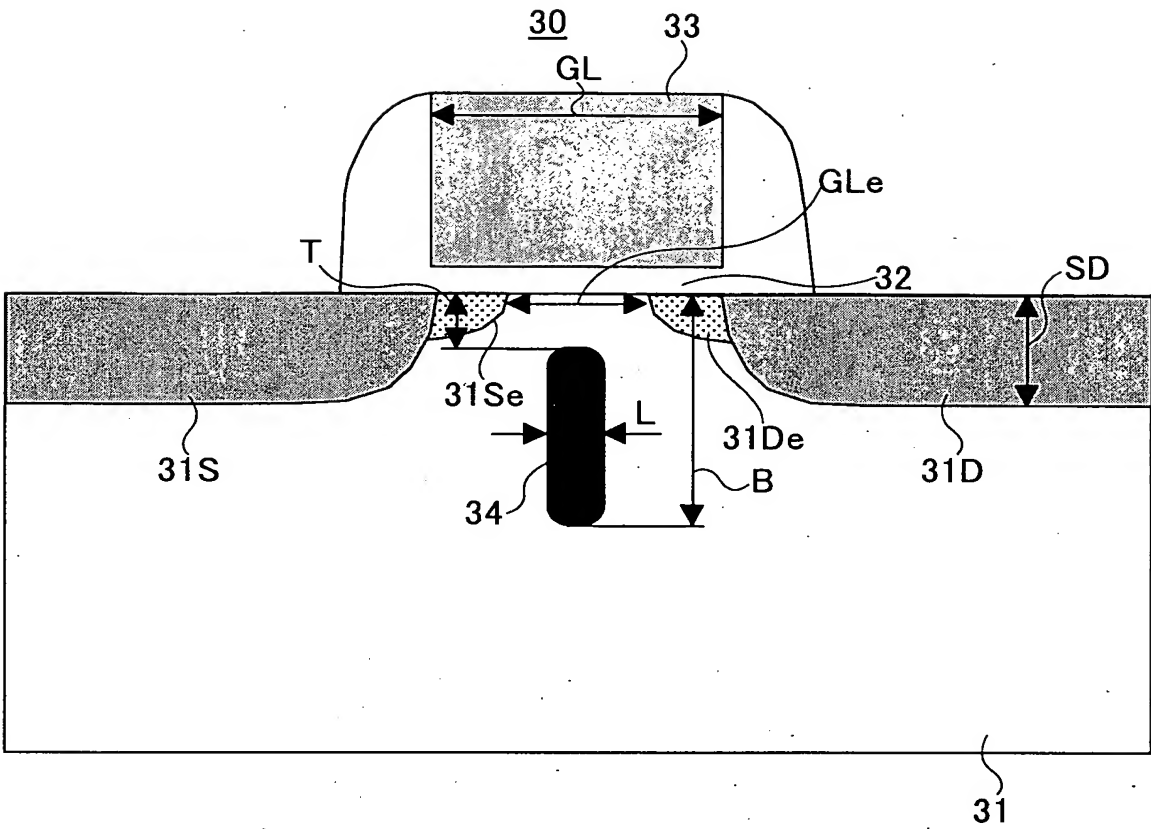
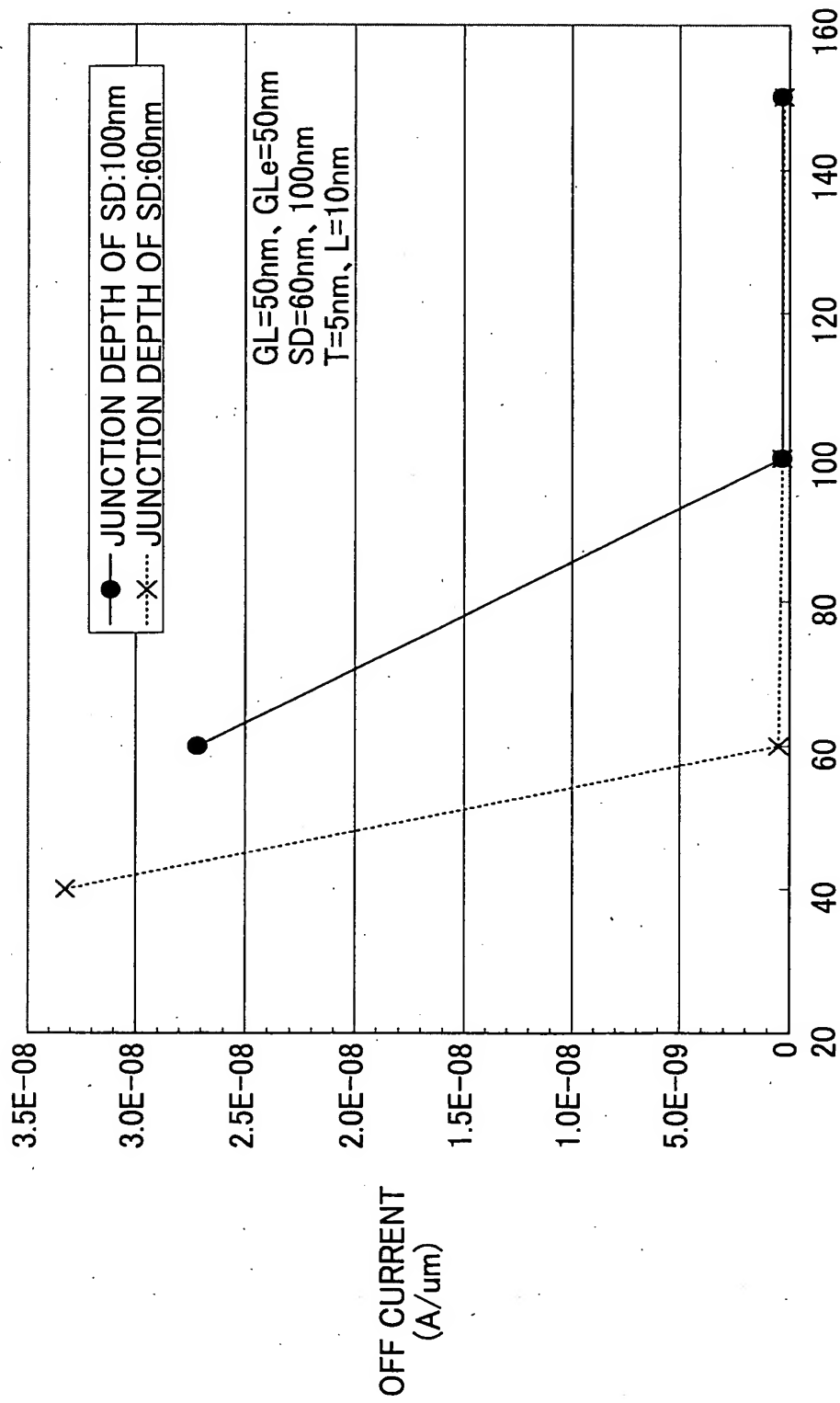


FIG.6



# FIG.7



B: POSITION OF FARTHER END TO CHANNEL SURFACE OF PTS (nm)

FIG.8

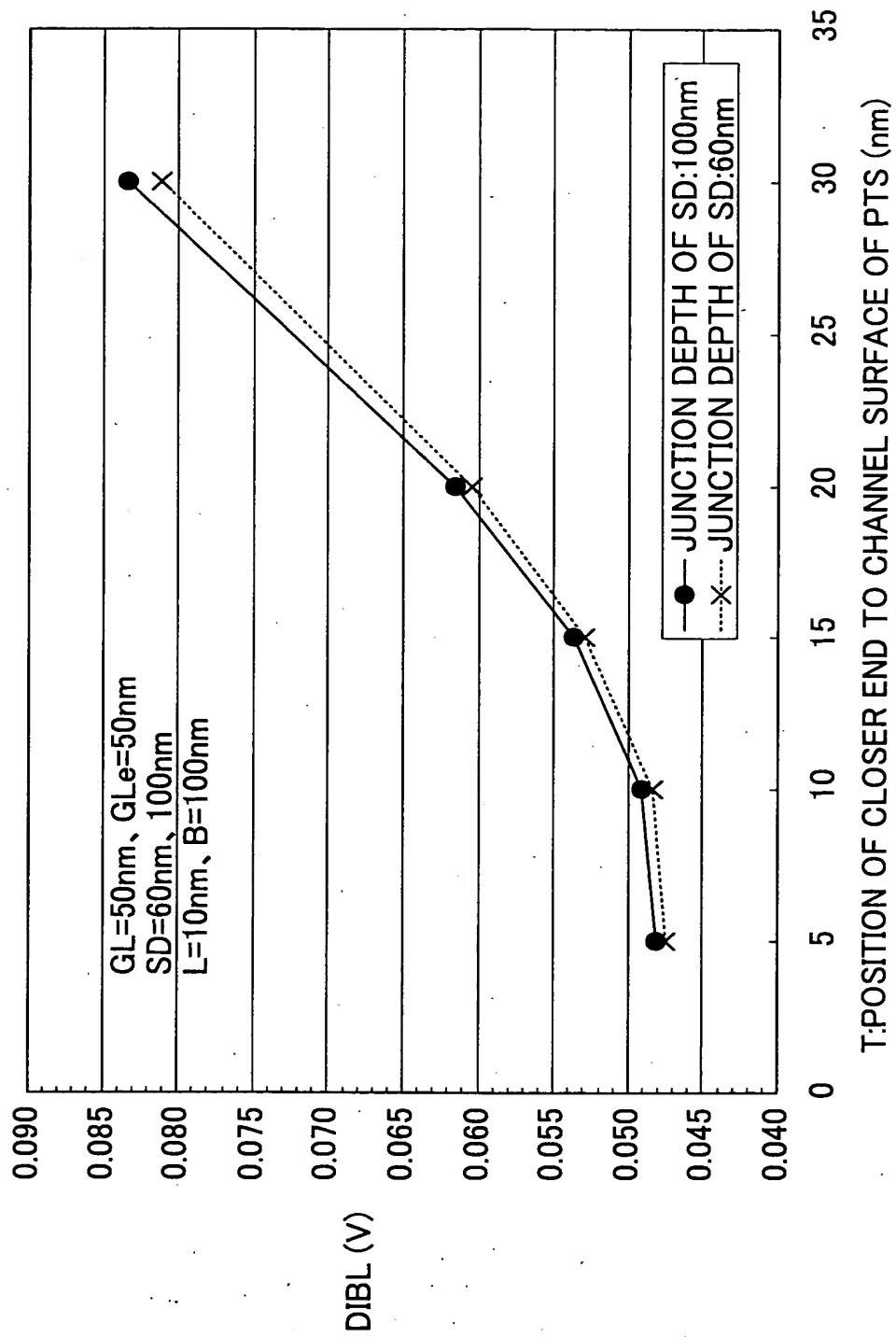


FIG.9

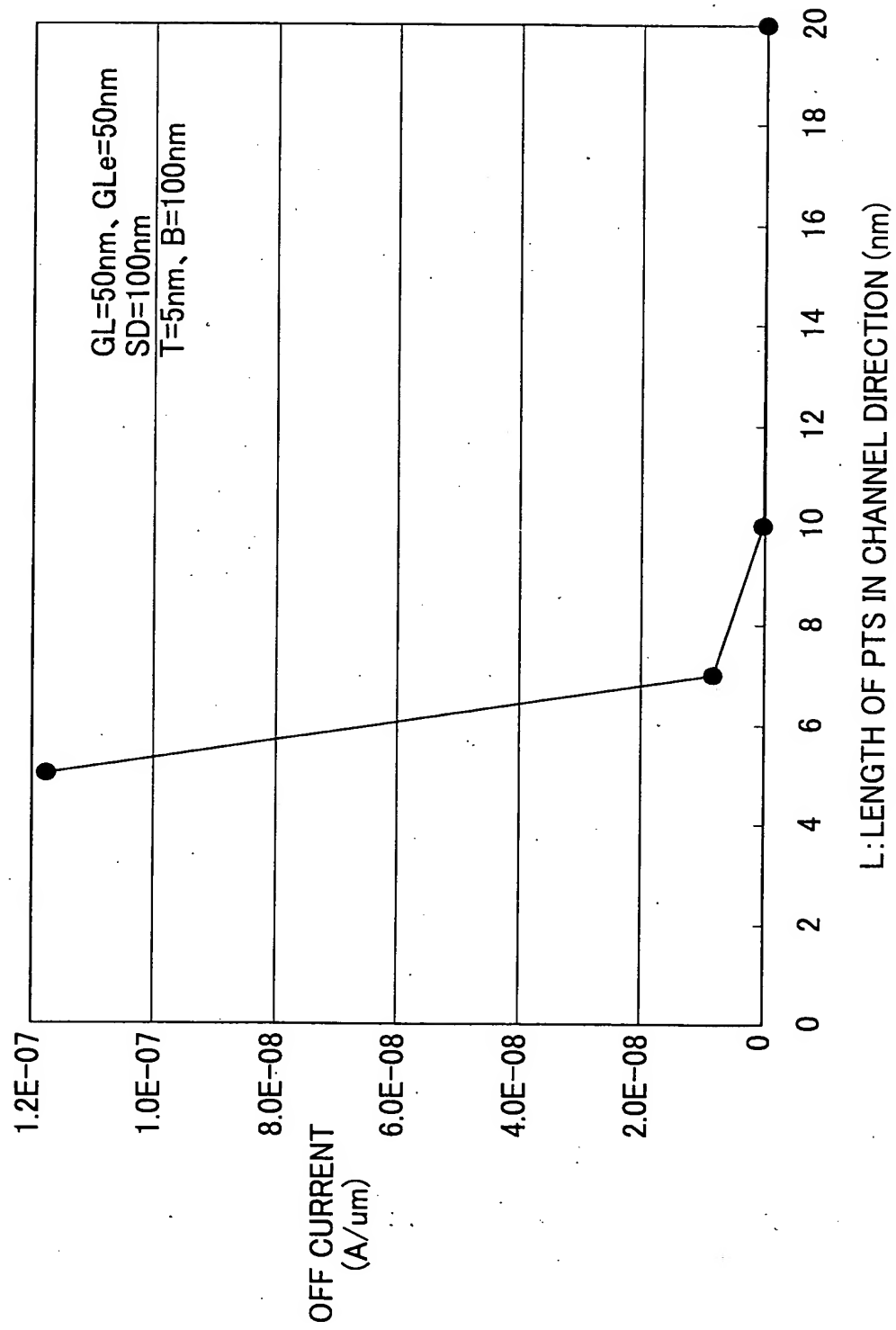
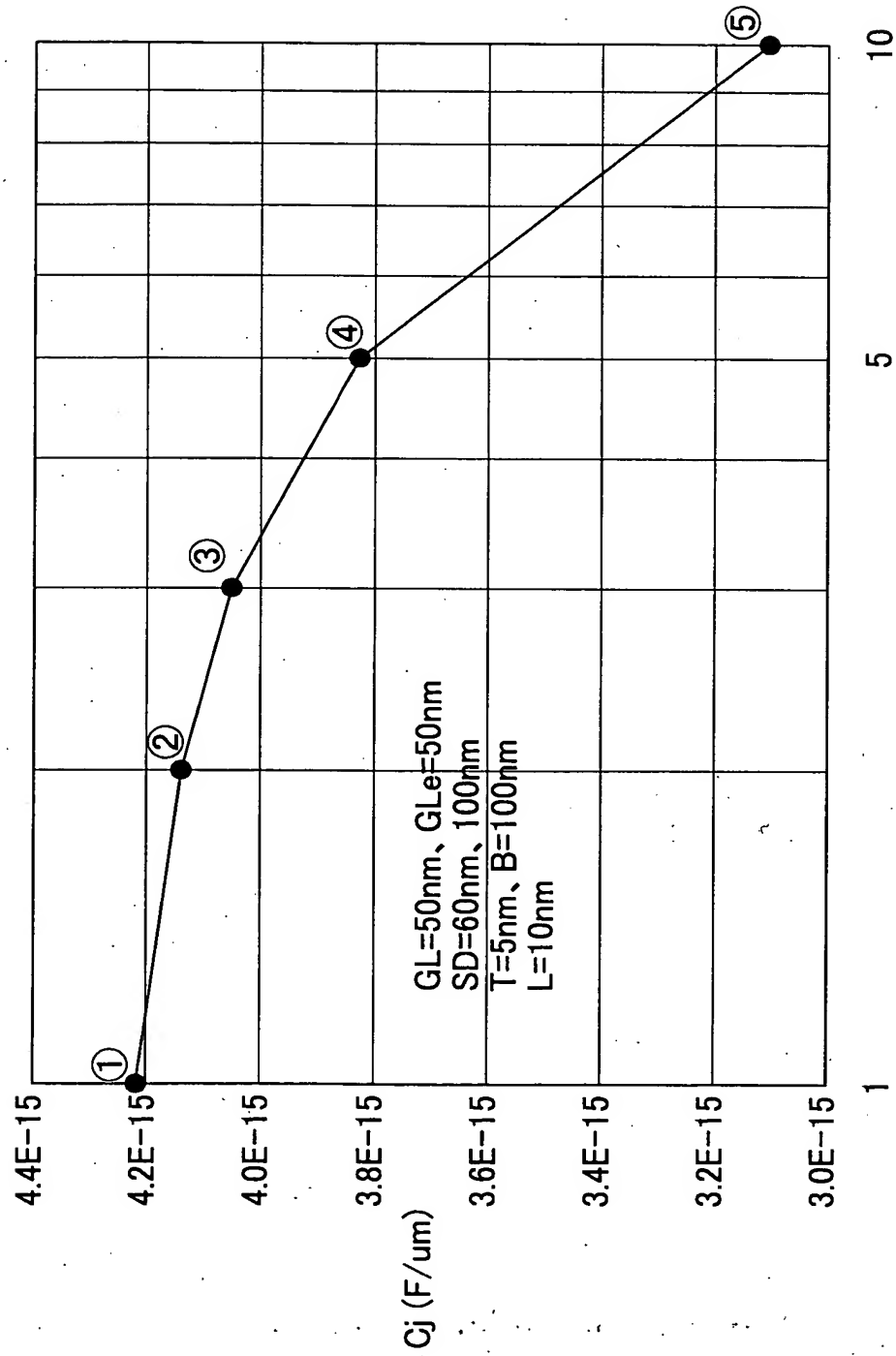




FIG.10



r: RATIO OF PTS CONCENTRATION TO  
SUBSTRATE IMPURITY CONCENTRATION

FIG.11

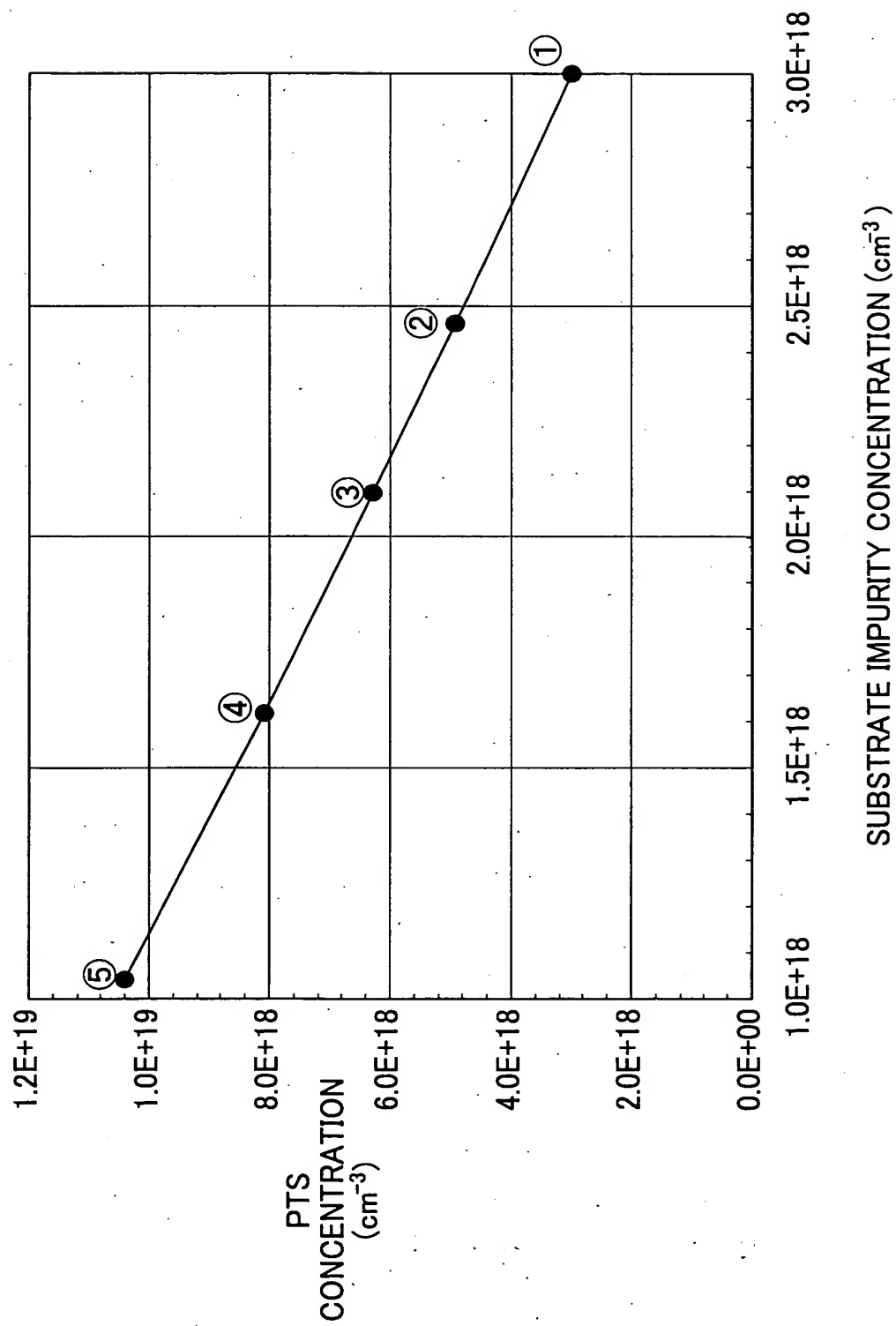
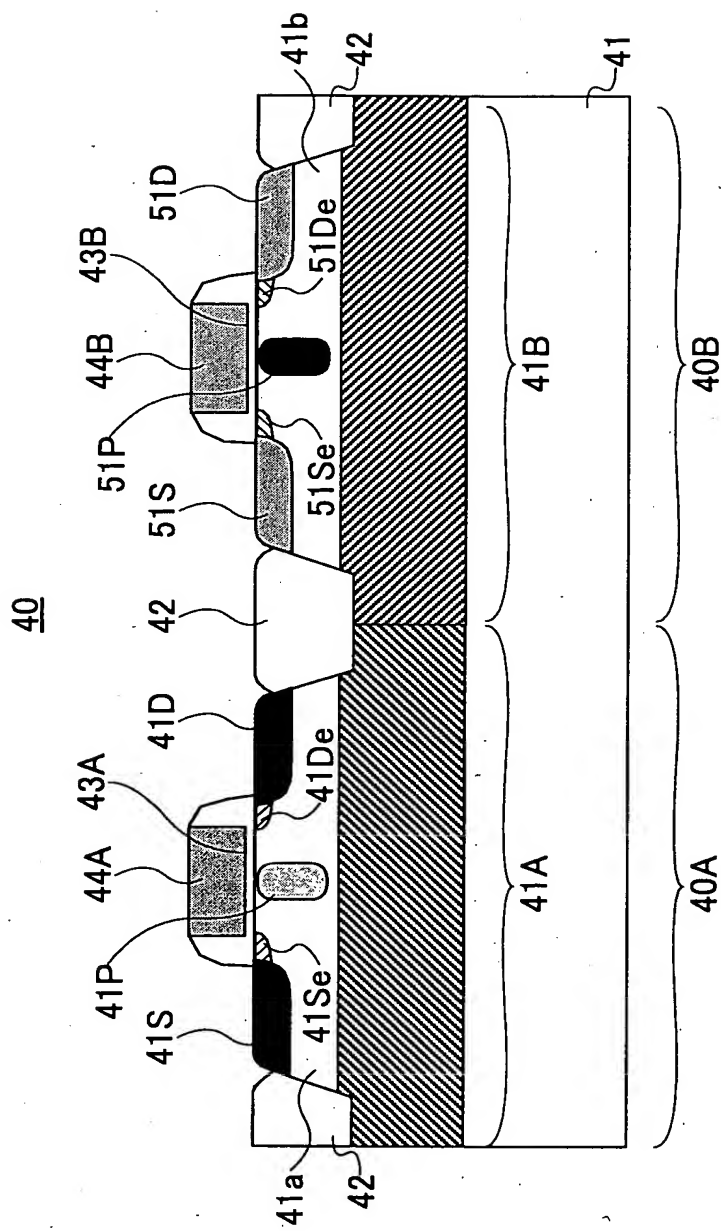


FIG.12



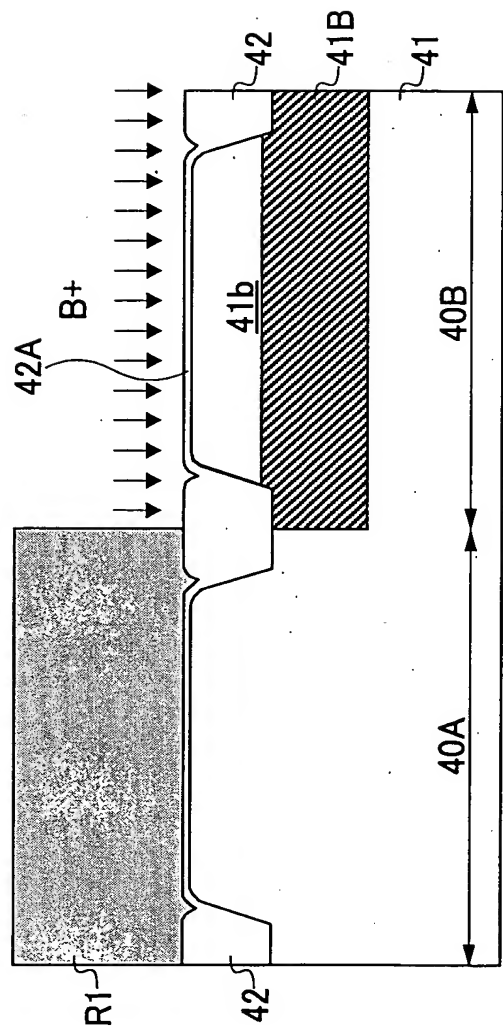


FIG.13A

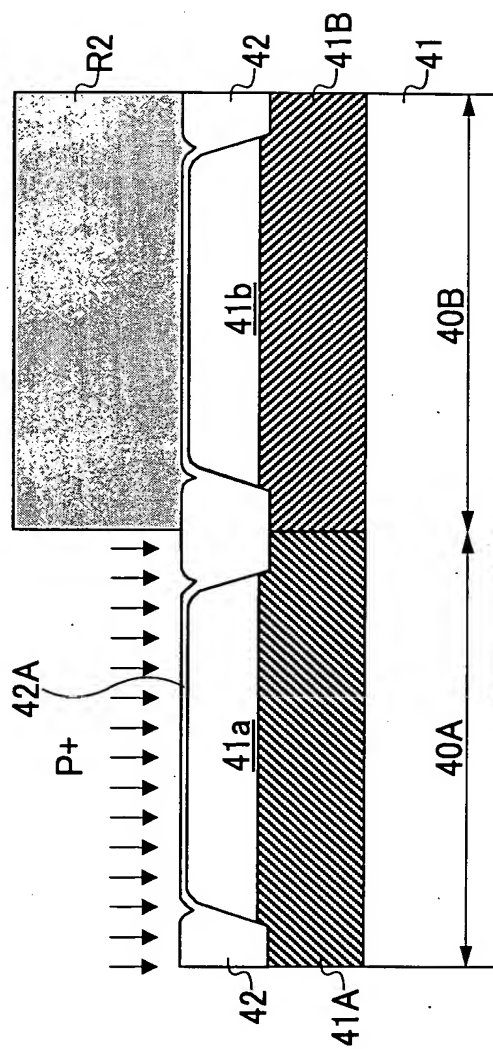


FIG.13B

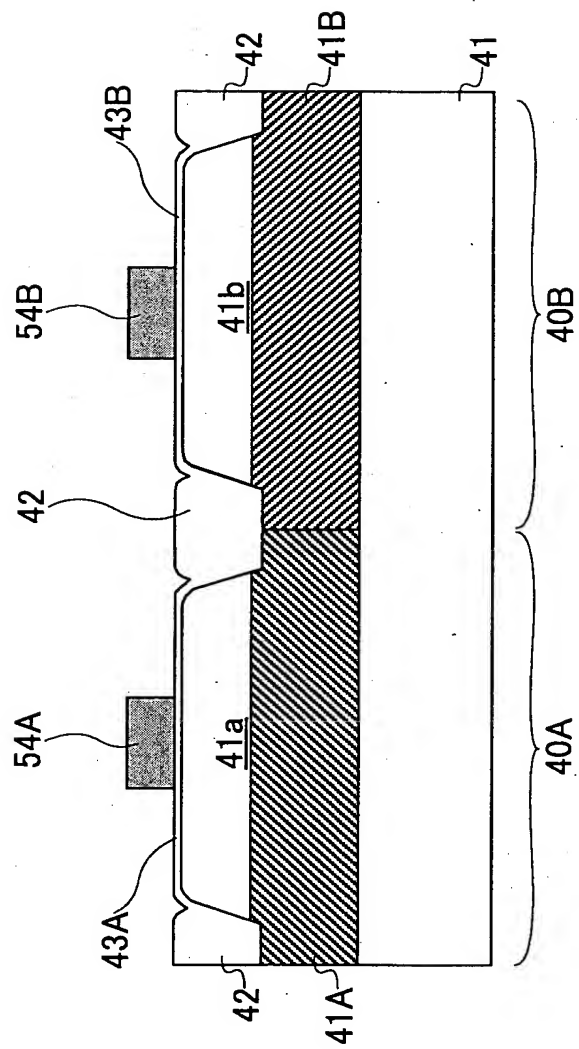


FIG.13C

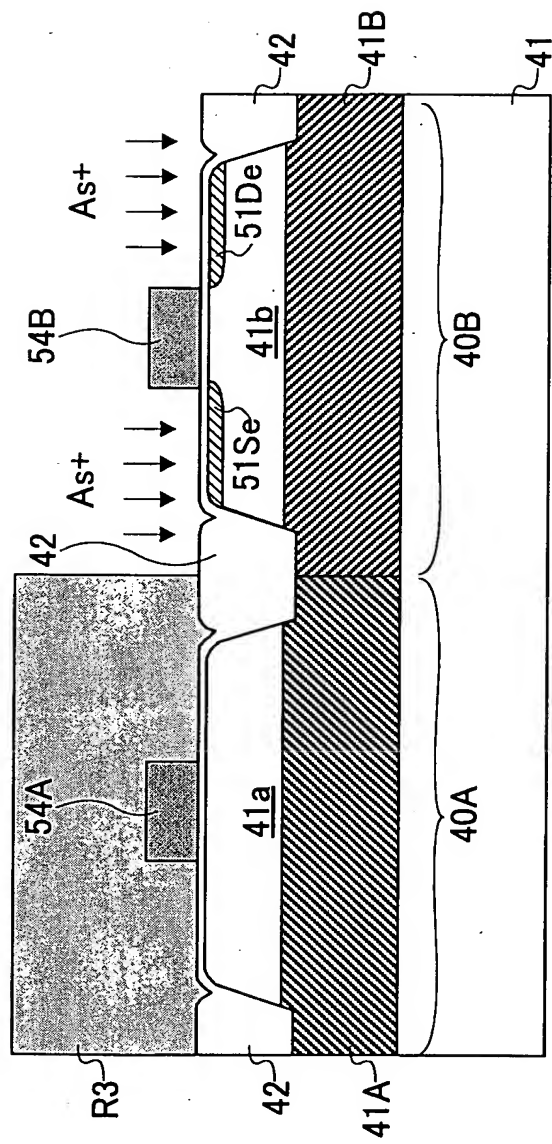


FIG. 13D

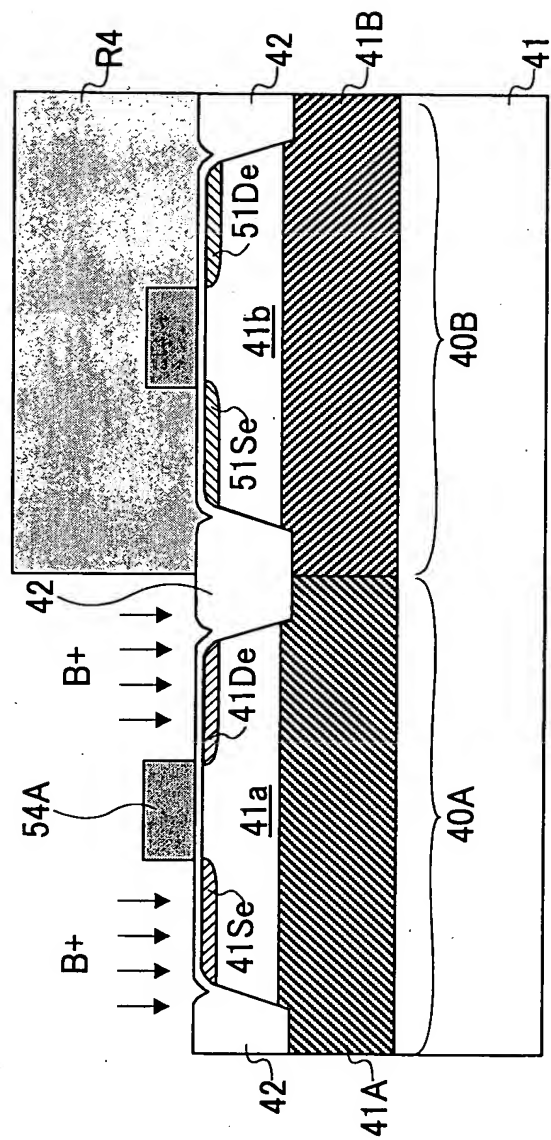


FIG. 13E

FIG.13F

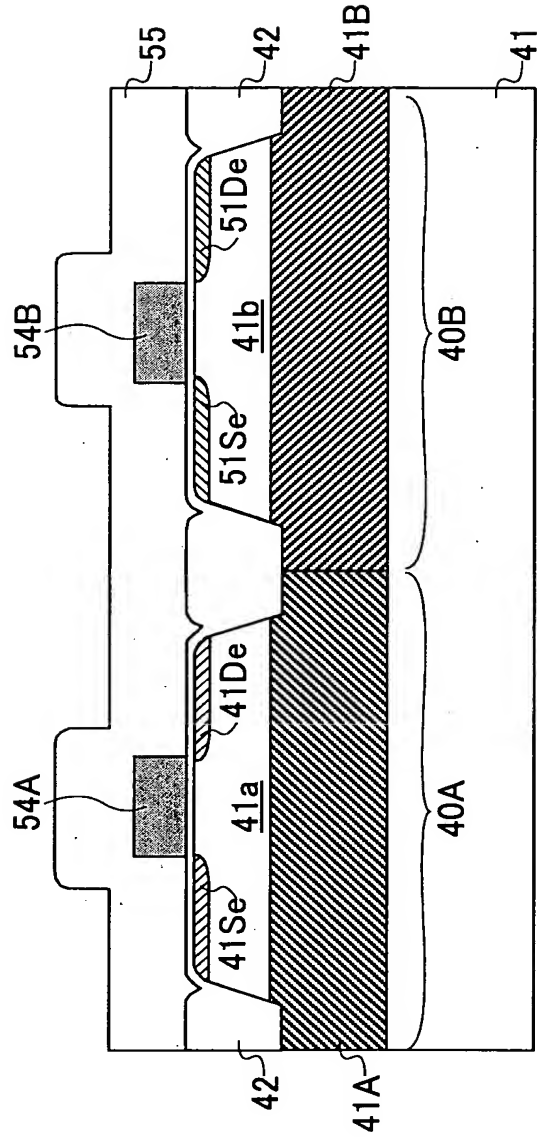
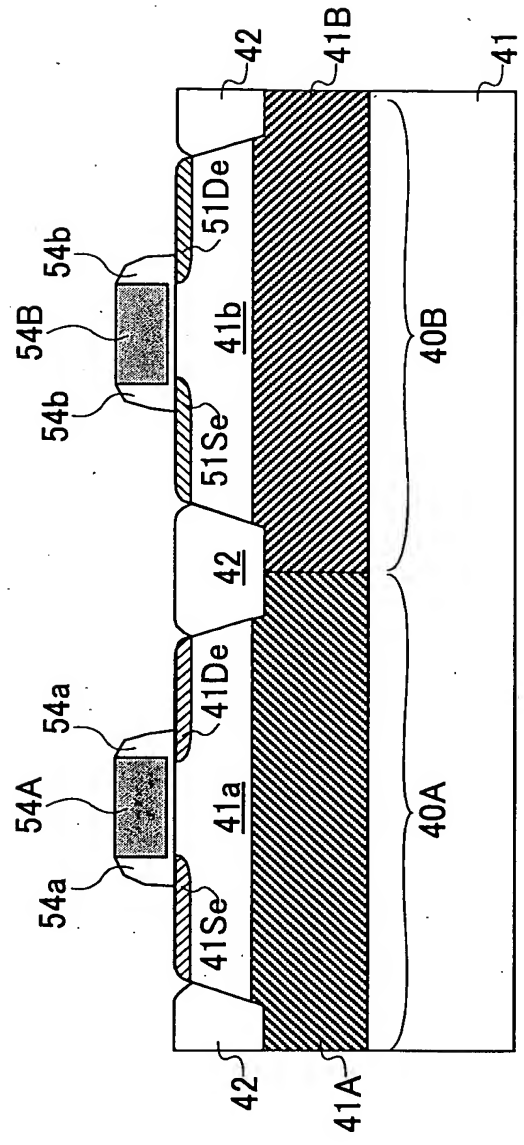


FIG.13G



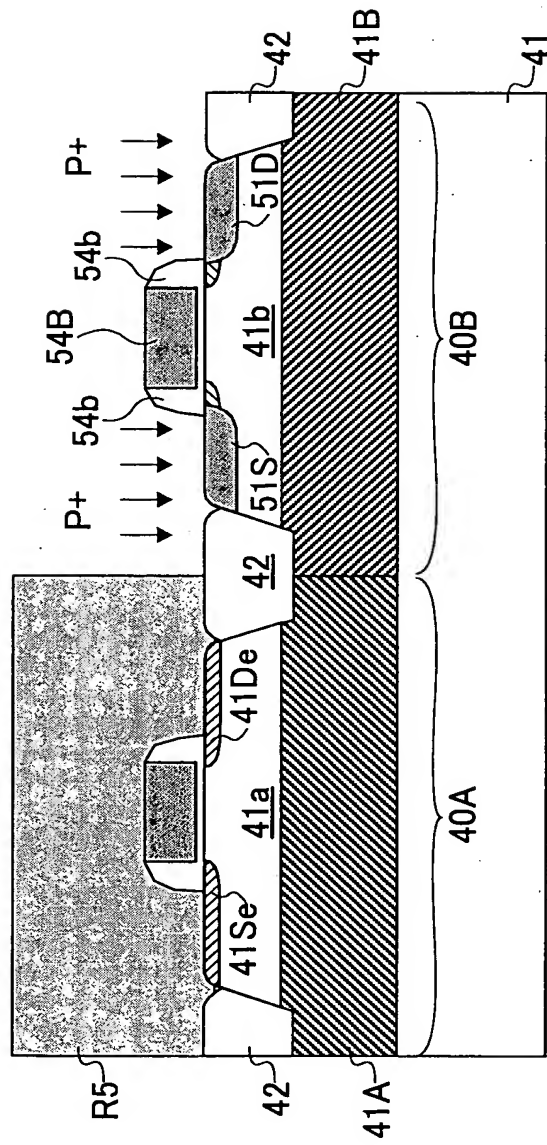


FIG.13H

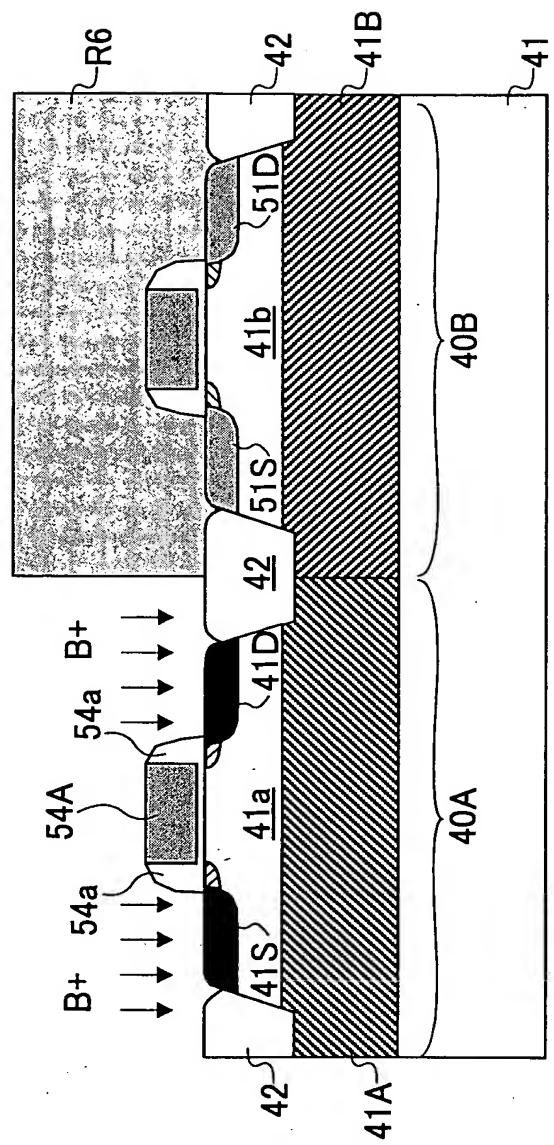


FIG.13I



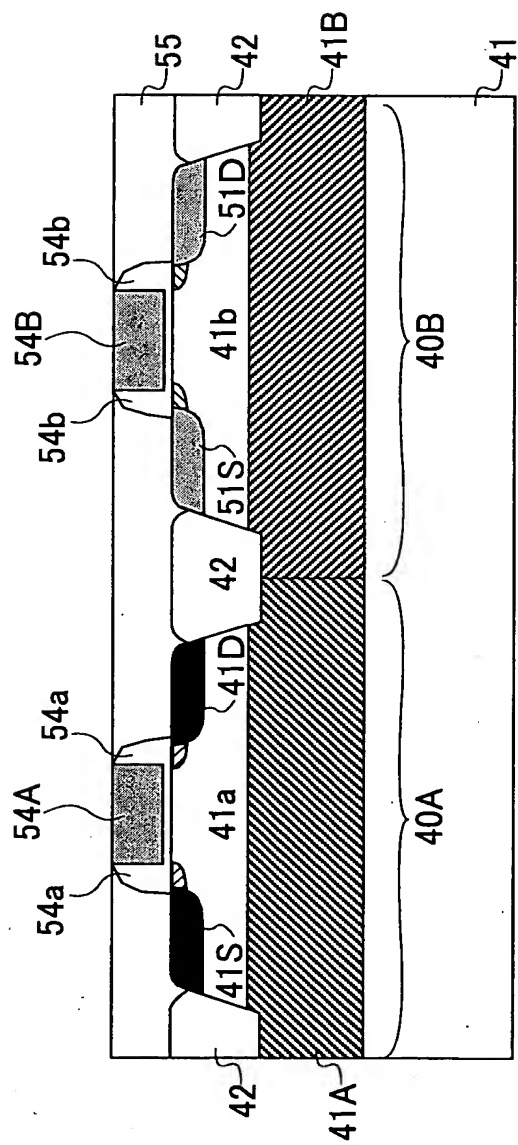


FIG.13J

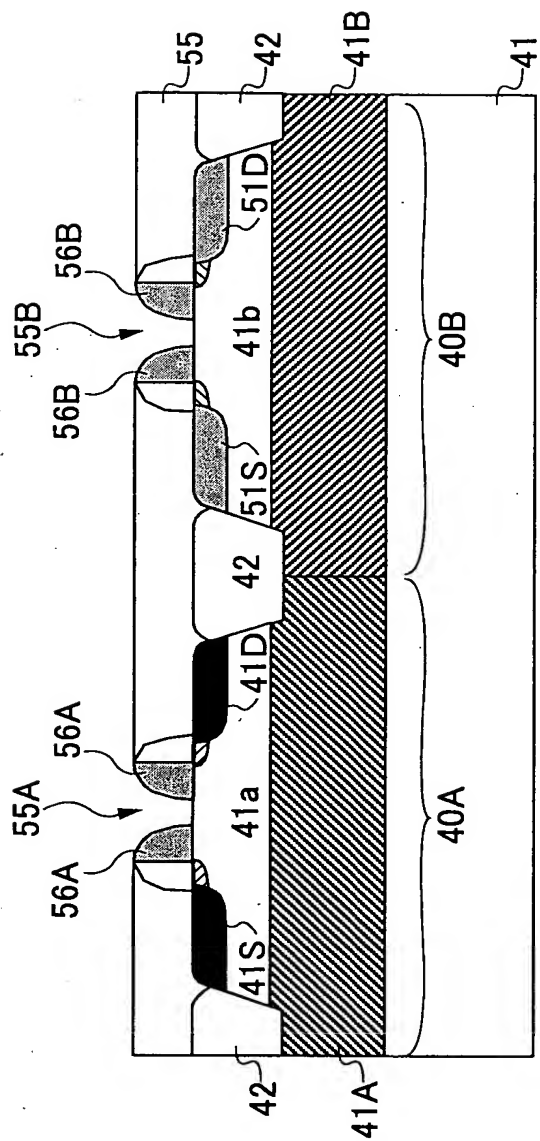


FIG.13K

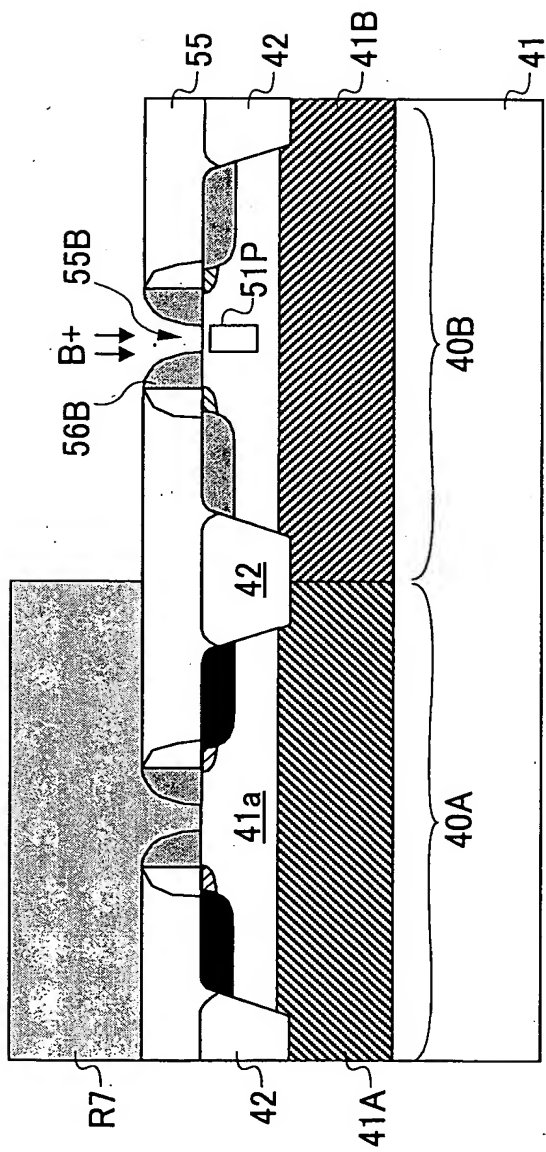


FIG. 13L

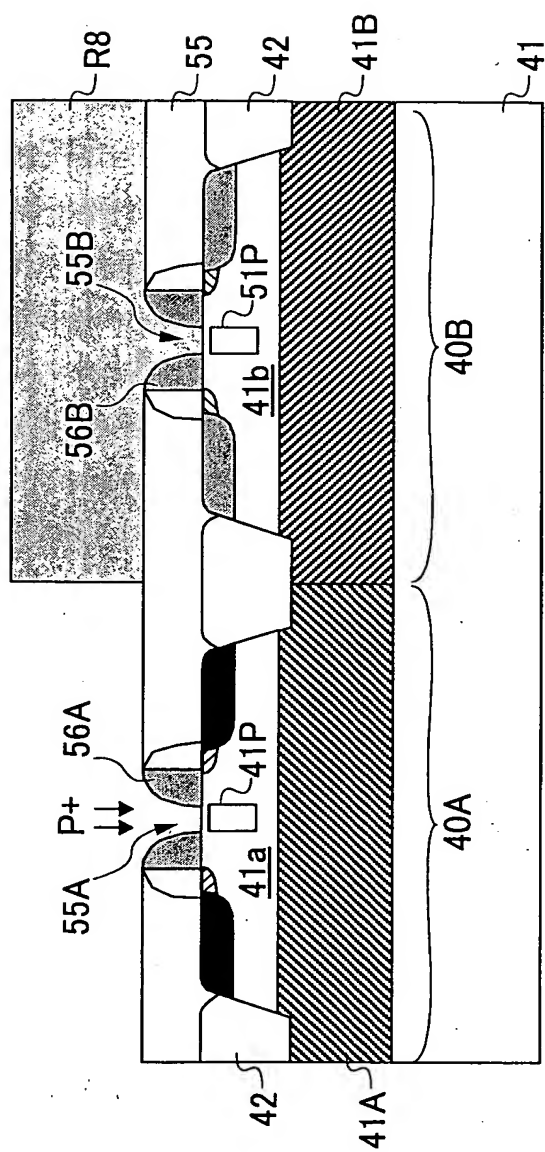
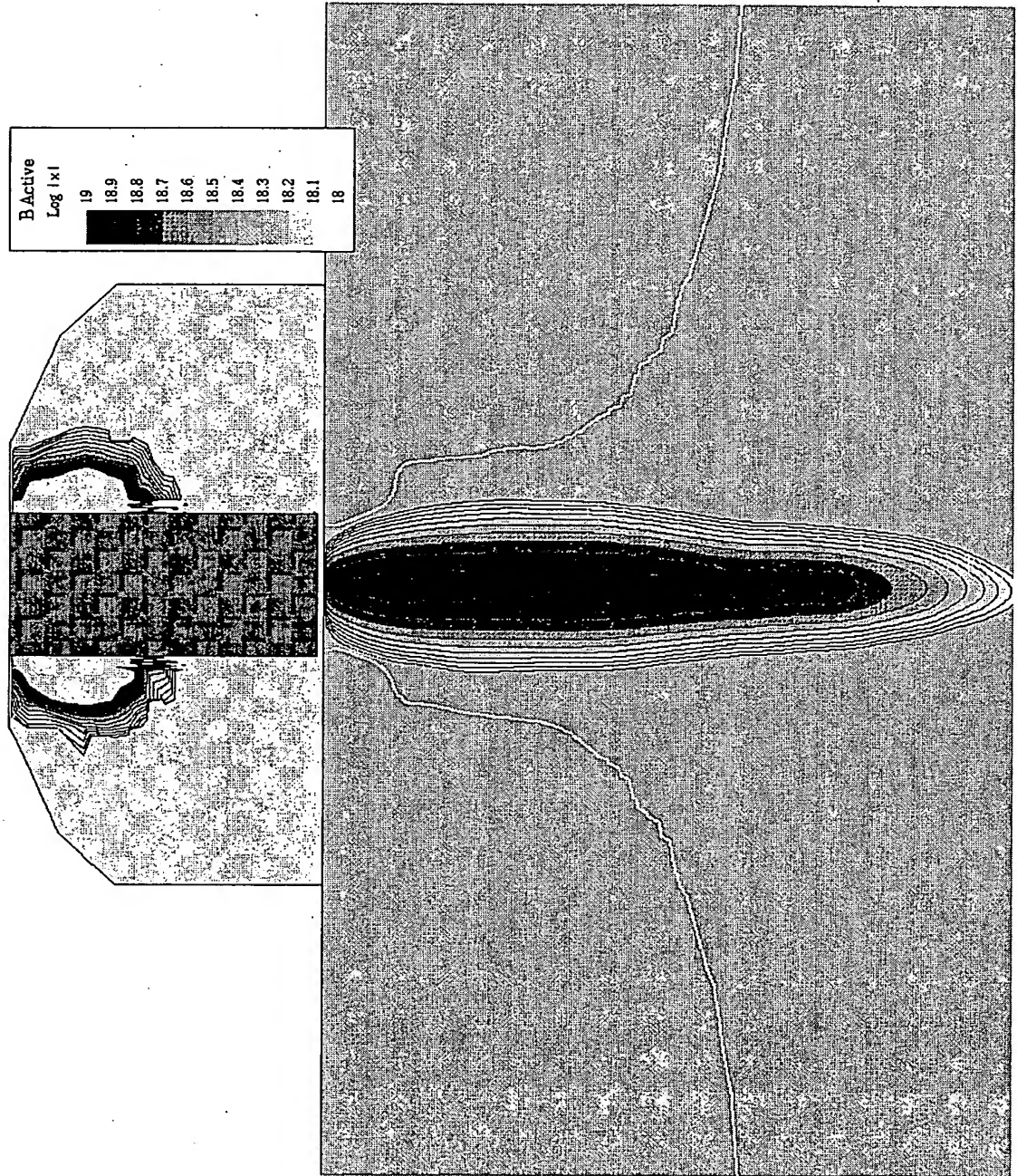


FIG. 13M

FIG.14



BEST AVAILABLE COPY

FIG.15

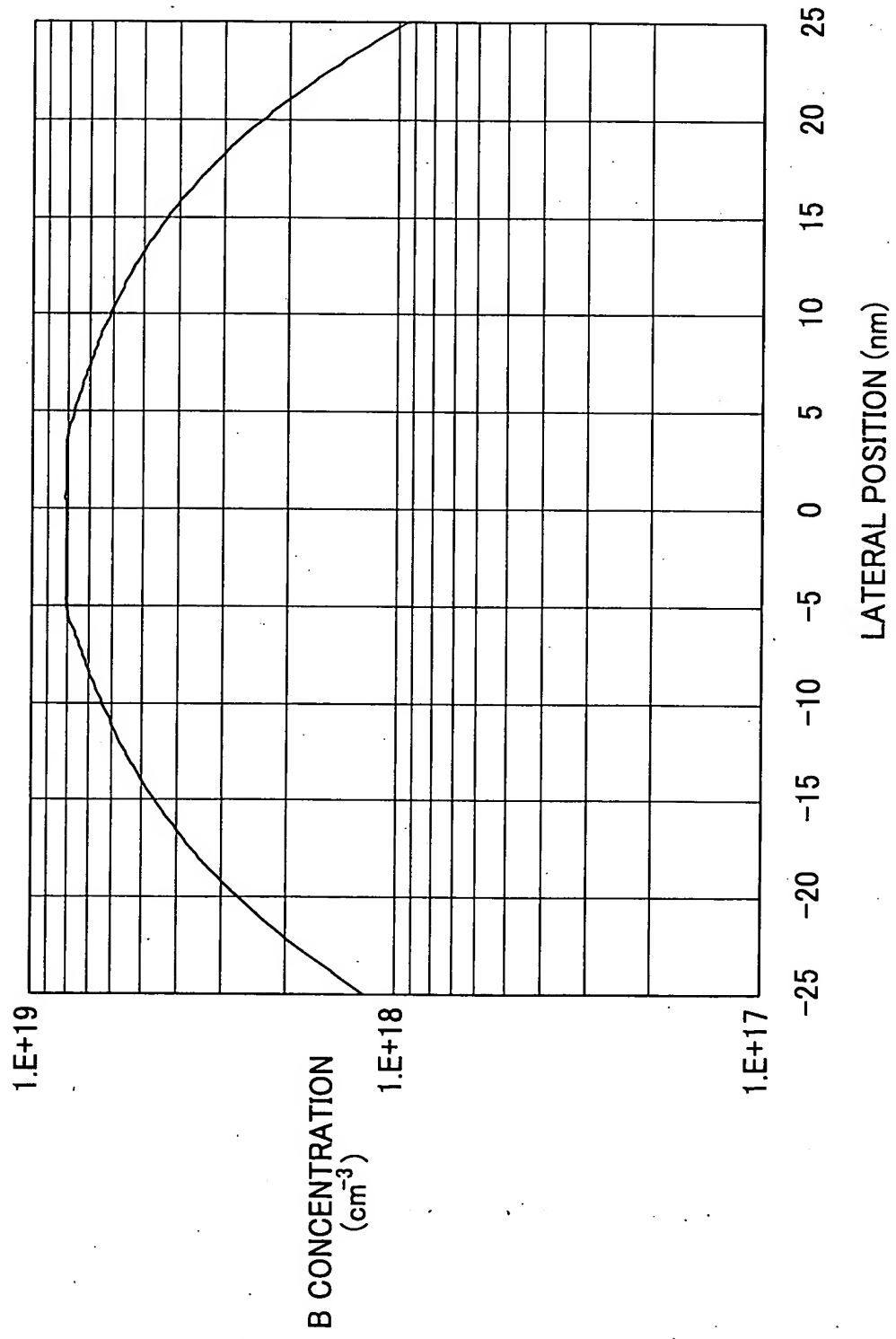
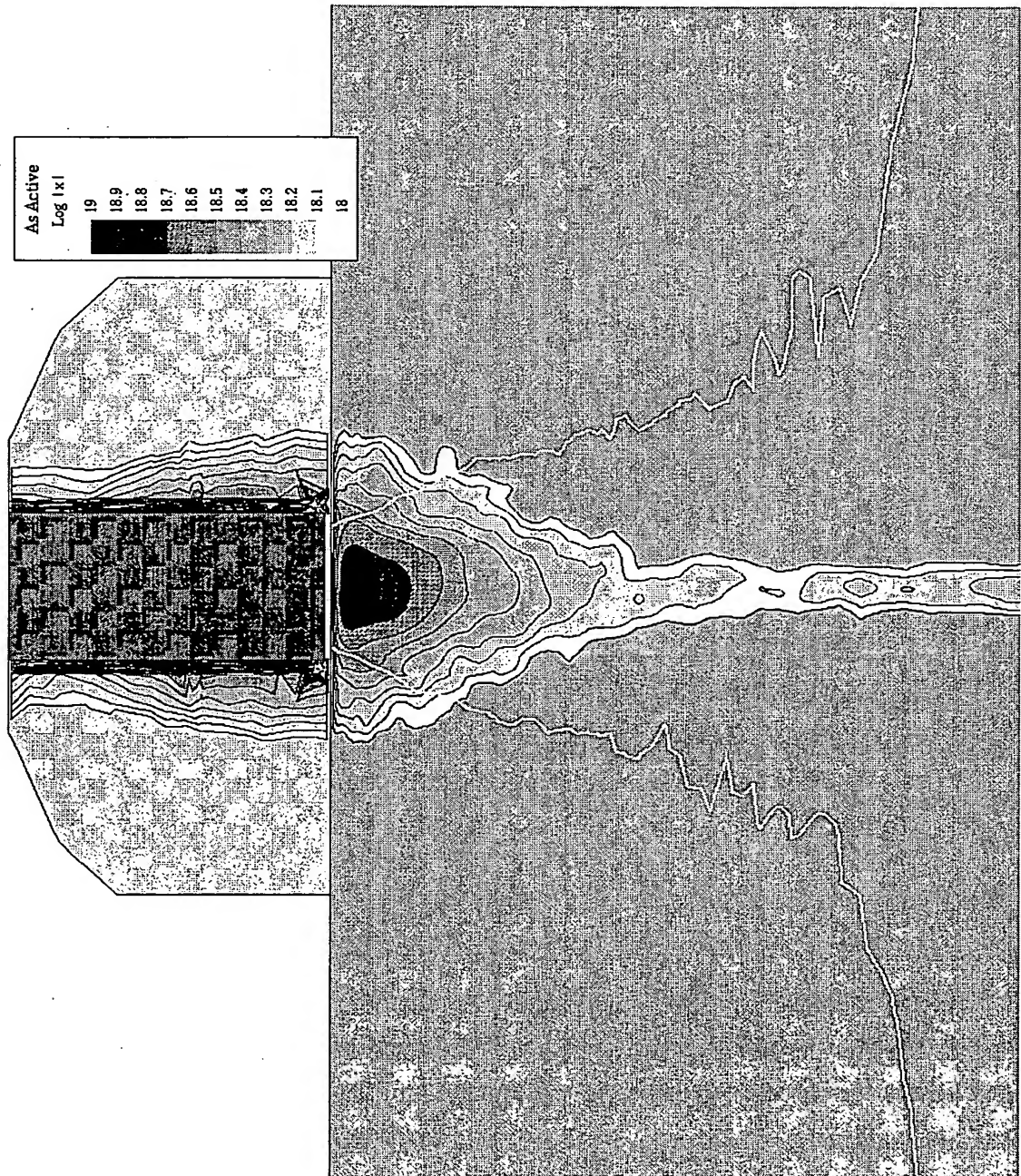


FIG.16



BEST AVAILABLE COPY

FIG.17

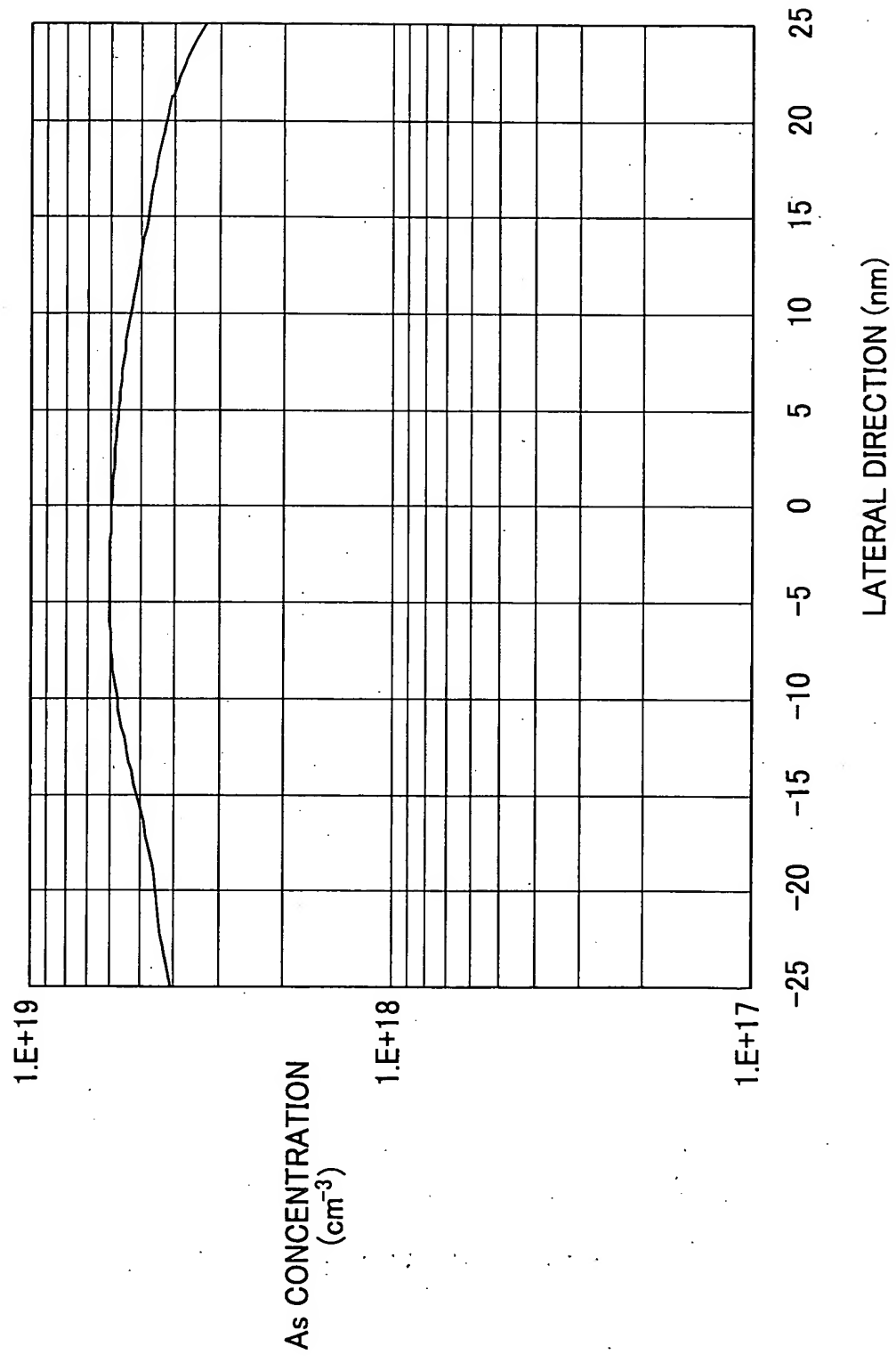




FIG.18

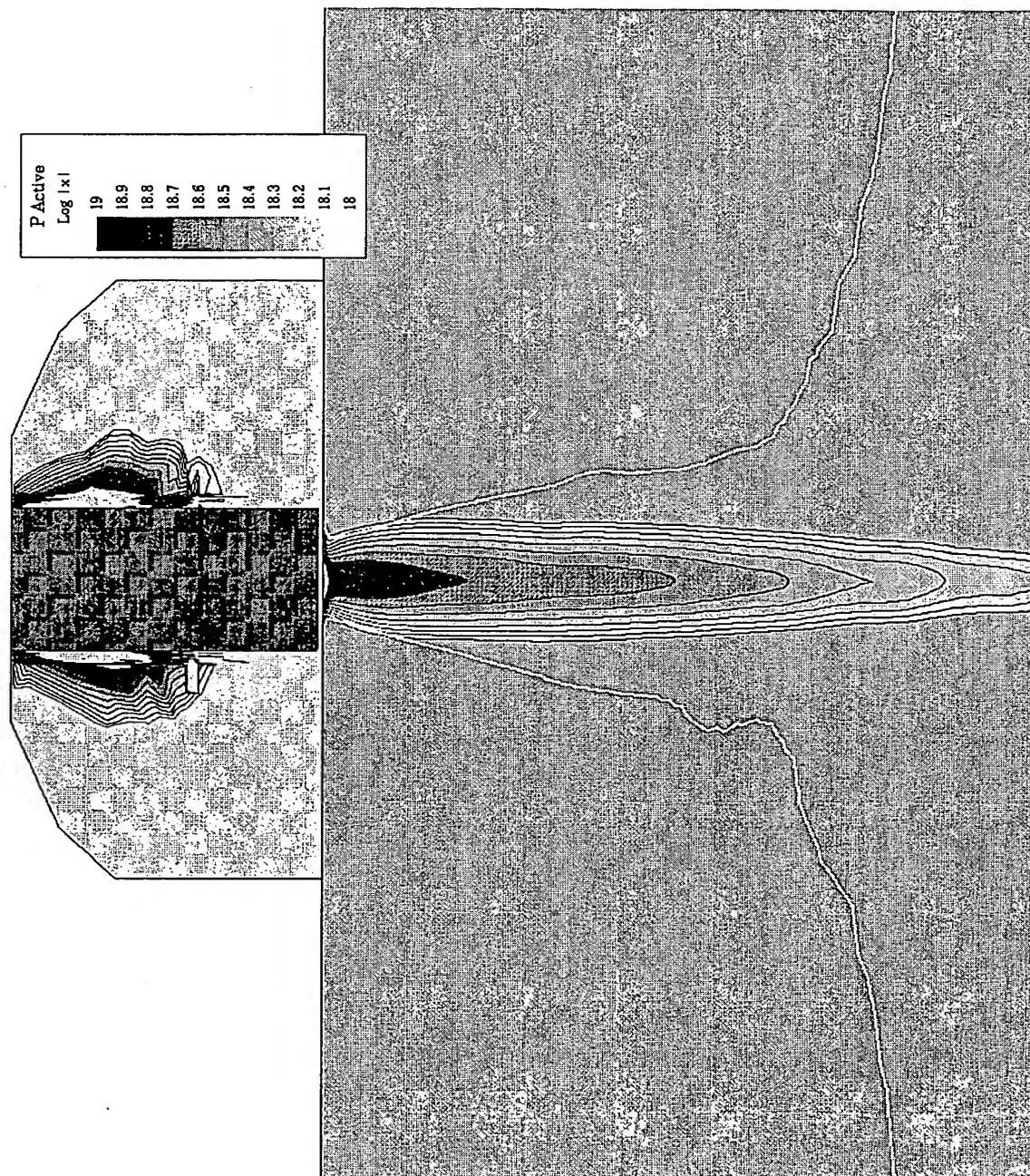


FIG.19

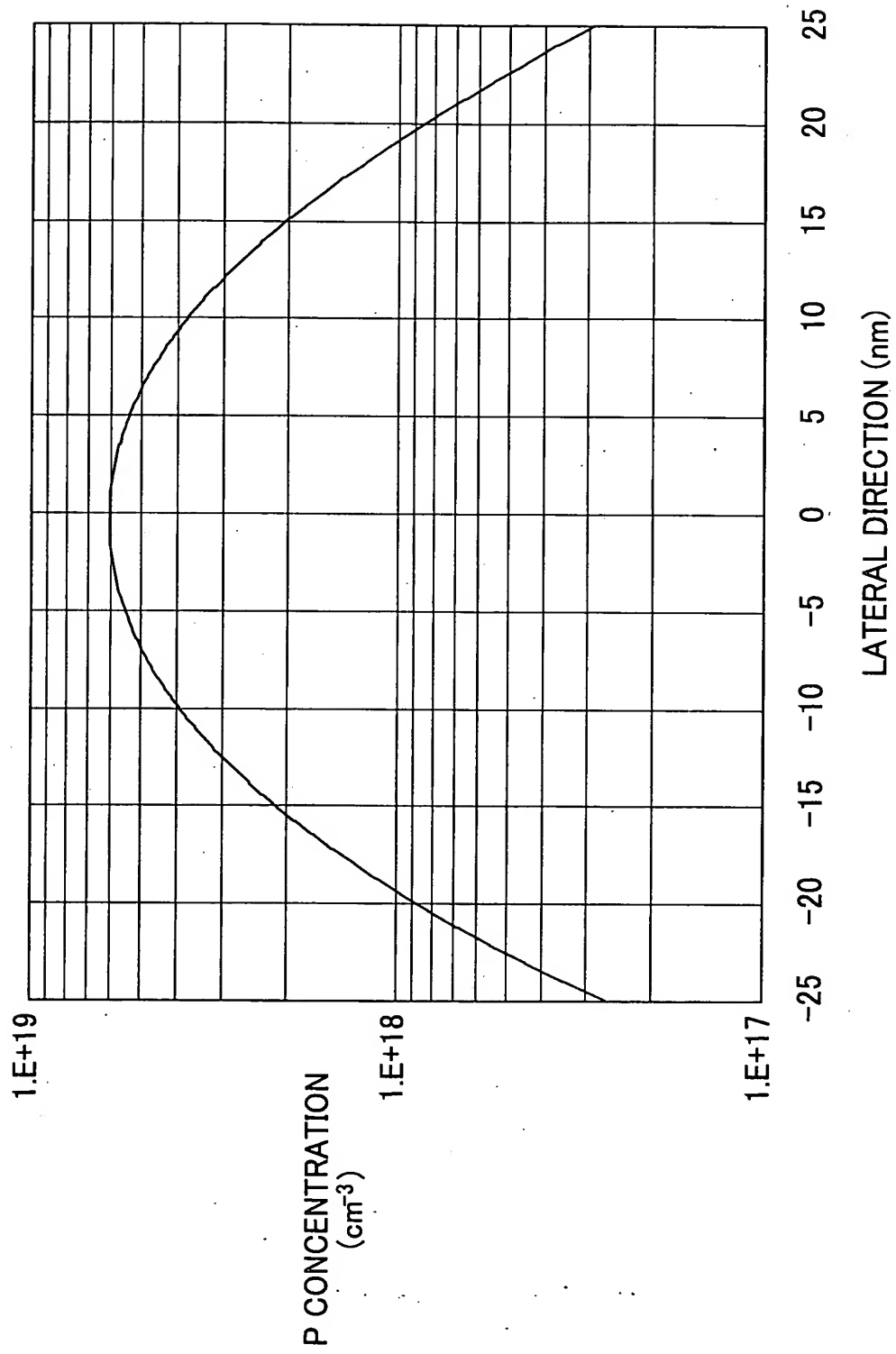




FIG.20A

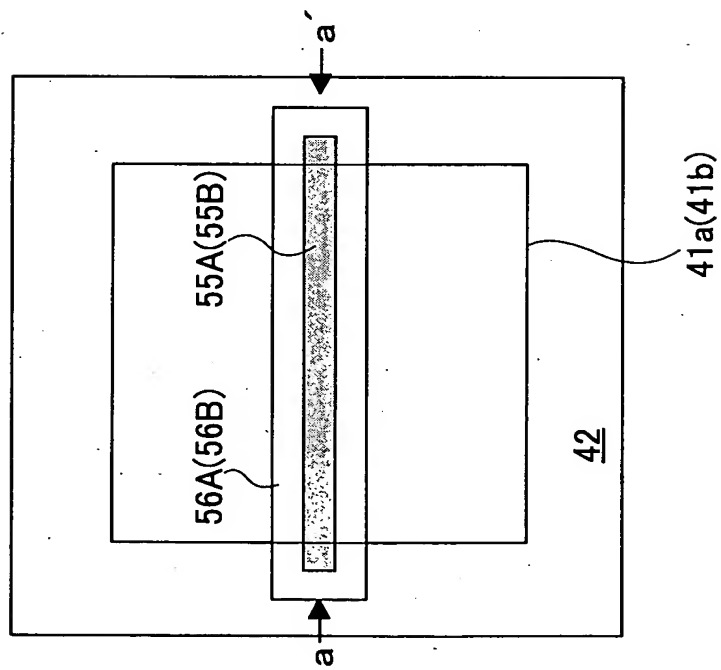


FIG.20B

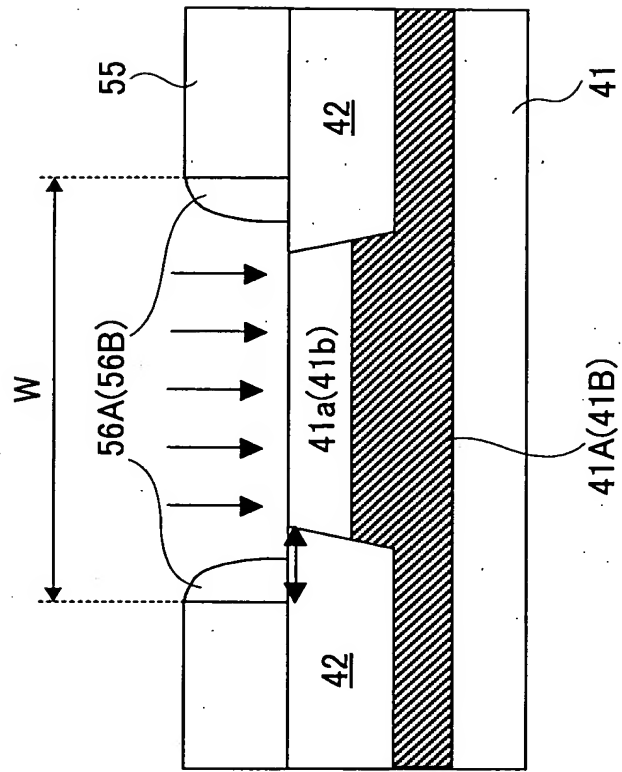
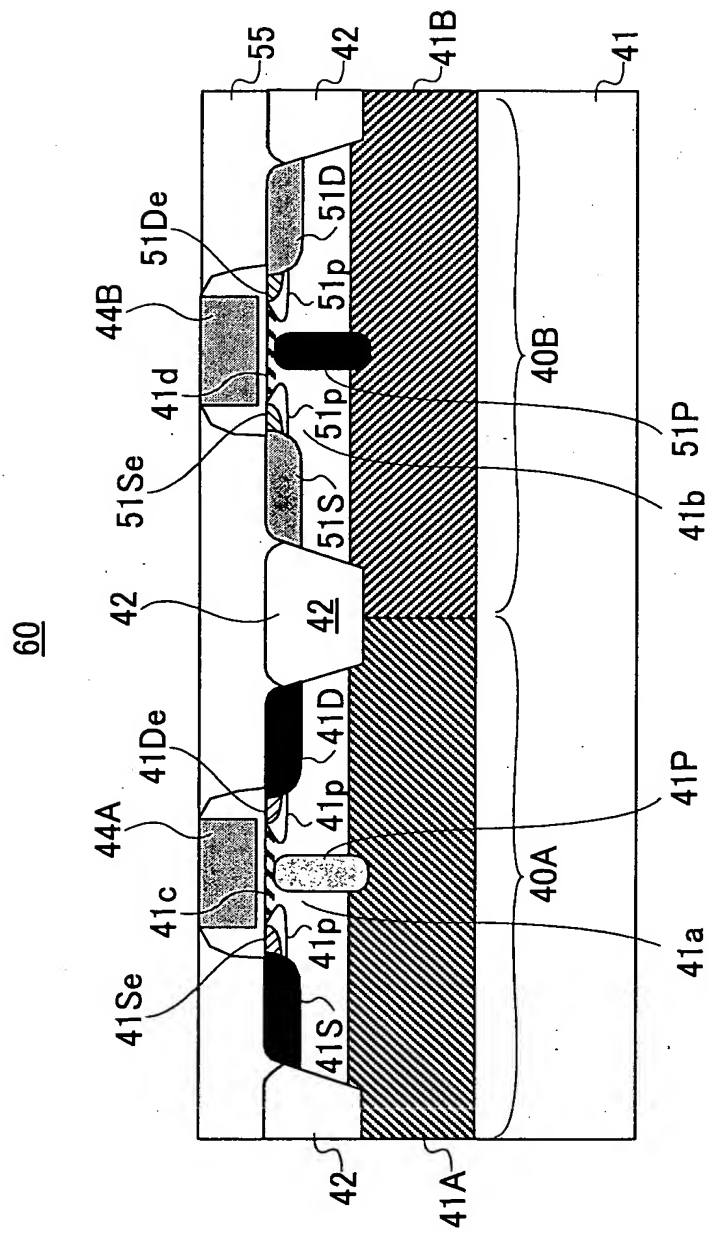


FIG.21



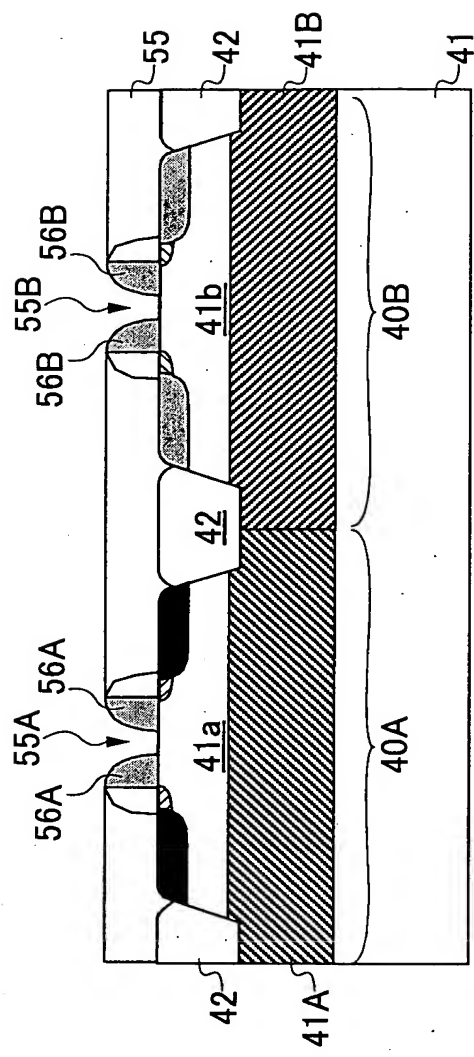


FIG. 22A

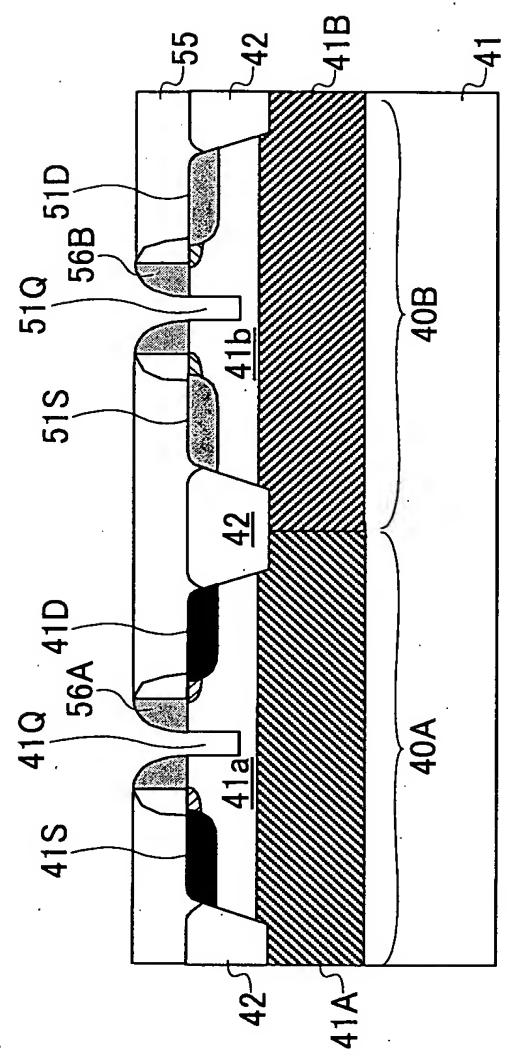
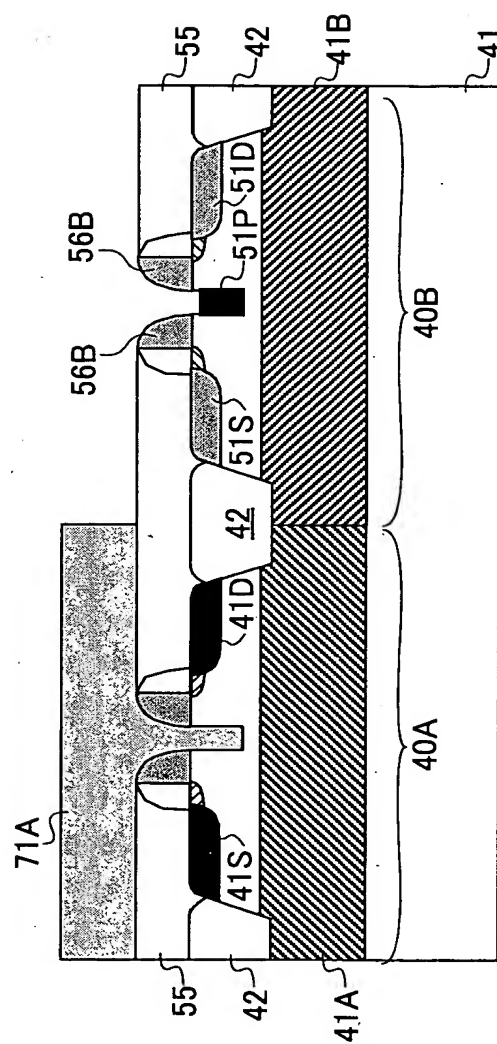
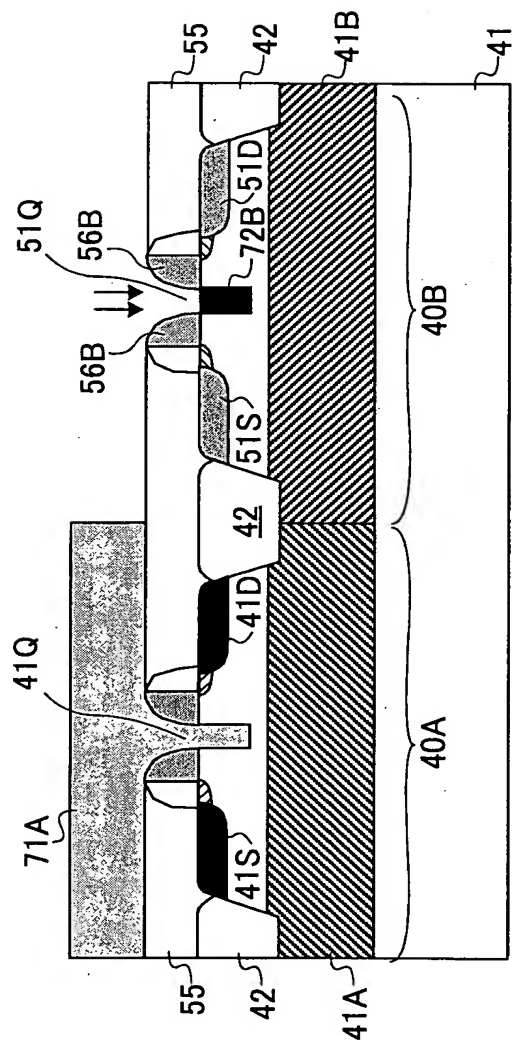
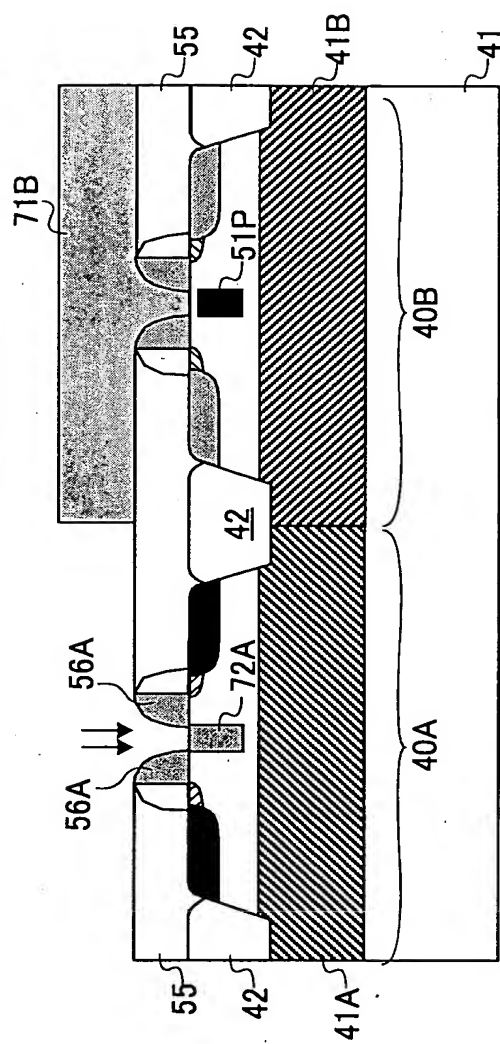
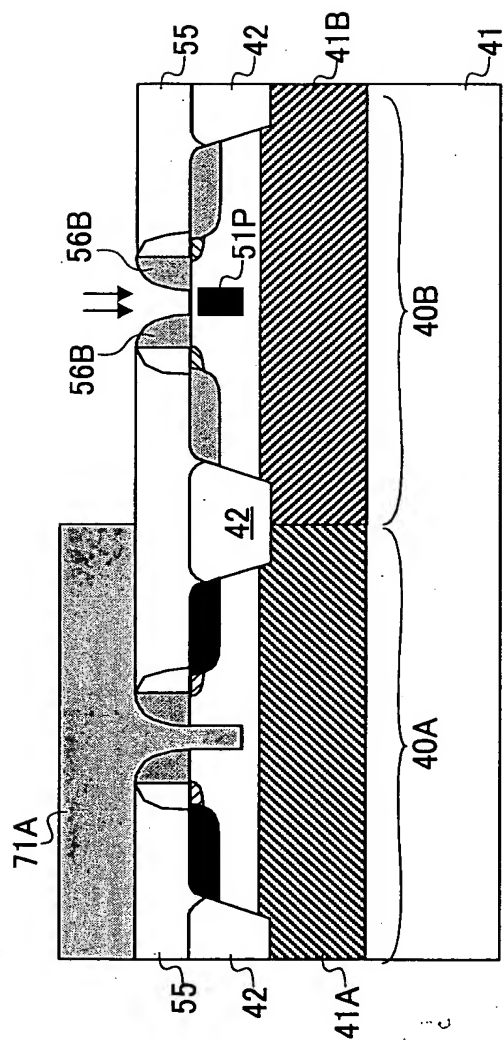


FIG. 22B





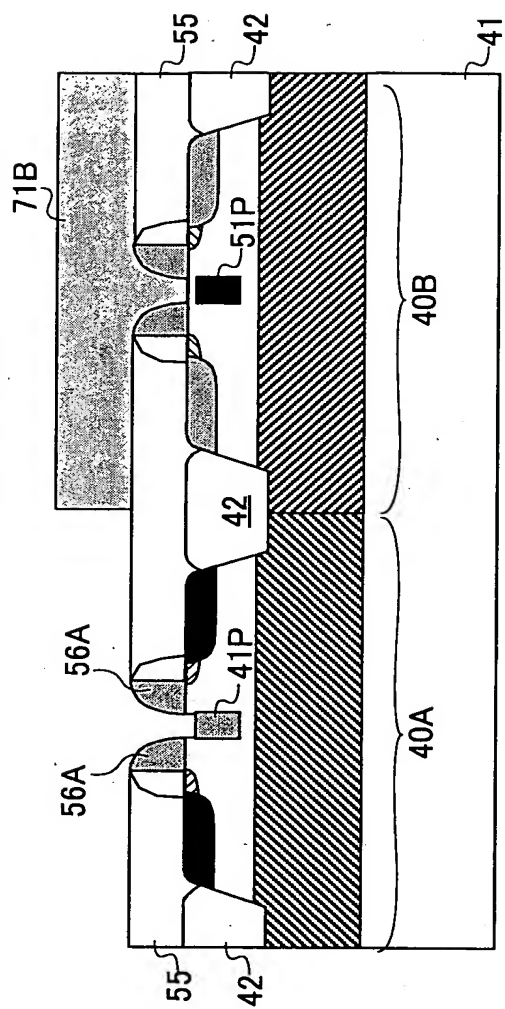
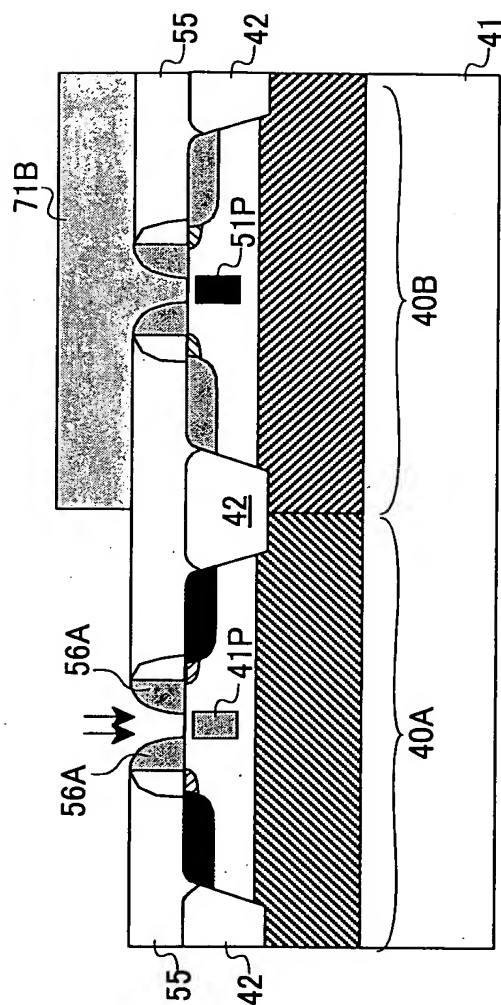


FIG. 22G



**FIG.22H**

FIG.22I

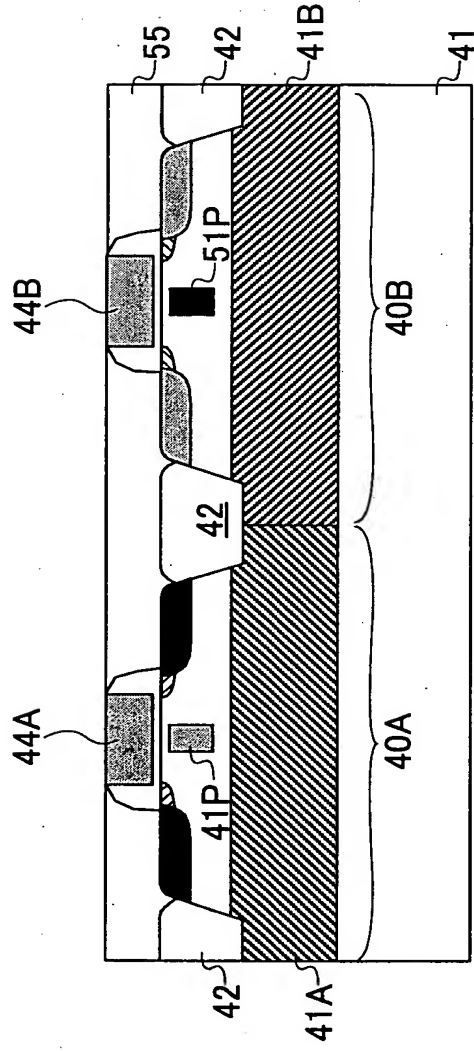


FIG.23

